
Installation procedure

Perform the following procedure when replacing the QSD67 Disk Drive Shelf (cantilever mount) with the NT7D44 Power Monitor/CE Auxiliary Shelf, or when replacing the QSD68 Disk Drive Shelf (center mount) with the NT7D45 Power Monitor/CE Auxiliary Shelf.

This procedure refers to QSD67 and QSD68 shelves. However, references to the QSD67 and QSD68 shelves also apply to the QUW1 and QSP45 Tape Shelves that may be present in the existing system.

Procedure 1 Installing shelves

- 1 Set the ENB/DIS switch on the QPC173 Power Monitor Card to DIS.
Note: This action generates a system alarm that you can disregard at this time.
- 2 Set the CB11 switch on the QBL21 Power Distribution Unit to OFF.
- 3 For the QSD67 Disk Drive Shelf, disconnect the I/O cables to the QAA47 Power Monitor Adapter located on the side of the shelf (refer to Figure 3).
For the QSD68 Disk Drive Shelf, disconnect the I/O cables to the QAA33 Power Monitor Adapter located on the side of the shelf (refer to Figure 4).
- 4 Unplug the power connector and remove the shelf mounting screws.
- 5 Remove the QSD67/68 Disk Drive Shelf from the cabinet.
- 6 Unpack and inspect the power monitor/CE auxiliary shelf.
- 7 Disassemble the QAA47 (on QSD67) or QAA33 (on QSD68) Power Monitor Adapter from the QSD67/68 Disk Drive Shelf.
- 8 Reassemble the QAA47 or QAA33 Power Monitor Adapter on the NT7D44 or NT7D45 power monitor/CE auxiliary shelf, respectively.

- 9 Install the power monitor/CE auxiliary shelf in the same location as the QSD67/68 Disk Drive Shelf.
- 10 Reconnect the power connector to the power monitor/CE auxiliary shelf.
- 11 Reconnect the I/O cables to the QAA47 or QAA33 Power Monitor Adapter in the power monitor/CE auxiliary shelf (refer to Figures 3 and 4).
- 12 Remove the QPC173 Power Monitor Card from the QSD67/68 Disk Drive Shelf and install it in slot 16 of the power monitor/CE auxiliary shelf.
- 13 Install the NT6D81 Power Regulator Board in slots 9 and 10 of the NT7D44 shelf, or slots 3 and 4 of the NT7D45 shelf.
- 14 Install the QPC355C or QPC691 Power Converter Card in slots 11 and 12 of the NT7D44 shelf, or slots 1 and 2 of the NT7D45 shelf.
- 15 Install the NT8D68 FDU or NT8D69 MDU in the appropriate slots on the power monitor/CE auxiliary shelf (refer to Tables 2 and 3).
- 16 If needed, install QPC472 DTI and/or QPC720 PRI cards in the appropriate slots on the power monitor/CE auxiliary shelf (refer to Tables 2, 3, and 4).
- 17 Connect and enable the NT8D68 FDU or NT8D69 MDU. Refer to *Disk drive upgrade procedures* (553-3001-251).

 Note: The FDU interfaces with the QPC742 (vintage D or later) Floppy Disk Interface (FDI) card; the MDU interfaces with the QPC584 (vintage F4, or K, or later) Mass Storage Interface (MSI) card. See *Circuit card installation and testing* (553-3001-211) for the correct switch settings for the QPC742 and QPC584 cards.
- 18 Set the CB11 switch on the QBL21 Power Distribution Unit to ON.
- 19 Set the ENB/DIS switch on the QPC173 Power Monitor Card to ENB.

 Note: This action should clear the system alarm generated in step 1. If the alarm does not clear, check the power connections to the new shelf and the power monitor adapter.
- 20 Connect and enable the QPC472 DTI and/or QPC720 PRI Cards. See *Digital Trunk Interface/Computer-to-PBX Interface installation and data administration* (553-2811-200) and *ISDN Primary Rate Interface installation* (553-2901-200).

Meridian 1

Power monitor/common equipment auxiliary shelves

Description and installation

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